

Maricopa County Air Quality Department

Presented by: Hether Krause & Albert Leo

June 29th, 2015



Maricopa County
Air Quality Department



WALK MORE USE CFLS MORE CARPOOL MORE
BIKE MORE RAKE MORE TELECOMMUTE
MORE DRIVE HYBRIDS MORE CONSOLIDATE
ERRANDS MORE RIDE PUBLIC TRANSPORTATION
MORE USE ENERGY EFFICIENT APPLIANCES
MORE CARRY REUSABLE TOTE BAGS MORE
CONSIDER SOLAR MORE RUN COLD WATER
CYCLES MORE USE REUSABLE CONTAINERS
MORE CONSERVE ELECTRICITY MORE REDUCE
WOODBURNING MORE RECYCLE MORE USE
ELECTRIC LAWN AND GARDEN EQUIPMENT
MORE REFUEL AFTER DARK MORE RIDE
THE BUS MORE RIDE THE LIGHT RAIL MORE
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CLEAN AIR MAKE MORE

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MORE RIDE THE BUS

Maricopa County Air Quality Department Staff

REUSE CONSOLIDATE
REUSABLE TOTE BAGS
ELECTRICITY MORE
REFUEL AFTER DARK
MORE MAKE MORE



Hether Krause
Ombudsman



Albert Leo
Assistant Division Manager

Ombudsman/Citizen Advocate

An Ombudsman serves as a bridge between citizens and the regulatory process.

- Works to provide a thorough and complete response in a timely manner.
- Shares citizen feedback to leadership team.
- Focuses on maintaining an open and transparent culture.
- Participates in process improvements to benefit customers / citizens.

Hether Krause @ 602-506-6707
HKrause@mail.maricopa.gov



Maricopa County
Air Quality Department

Compliance & Enforcement

- Conduct inspections of permitted & unpermitted activity
- Respond to citizen complaints & conduct complaint inspections
- Conduct vacant lot inspections
- Document & issue violations when observed

Albert Leo

602-506-6715

AlbertLeo@mail.maricopa.gov



Maricopa County
Air Quality Department

Mission ☐

The mission of the Air Quality Department is to provide clean air to Maricopa County residents and visitors so they can live, work, and play in a healthy environment.

Vision ☐

To achieve the highest air quality standards in Maricopa County as we evolve with the county's escalating growth.



- Air Monitoring
 - Utilizes monitors established throughout the county to measure pollution in the air.
- Compliance & Enforcement
 - Includes Stationary Source, Dust Compliance, and Enforcement. May initiate measures to control sources found to be in violation of applicable regulations, standards or permit conditions. In 2014, this division completed more than 11,000 inspections.



- Permitting
 - Responsible for writing and issuing Title V, Non-Title V, and General permits as well reviewing their applications. Review and approve Dust Control Permit applications. In 2014, the number of department issued permits exceeded 6,500.
- Planning and Analysis
 - Includes rule writing and emissions inventory. Responsible for drafting and finalizing rules.
- Travel Reduction
 - Manages the Maricopa County Travel Reduction Program, including sections for Auditing and Research & Analysis for employers and schools.



General Overview

- The Maricopa County Board of Supervisors has adopted rules to reduce and prevent pollution and to ensure that public health is protected.
- Compliance inspectors determine if regulated industries are complying with these rules by conducting inspections.



Maricopa County
Air Quality Department

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General Overview

- If violations are documented during an inspection, they must be corrected.
- The path from identification of a violation through its resolution is our “enforcement process” and is intended to ensure that a facility or permit holder complies with the air quality rules.



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- Under the Clean Air Act, the Environmental Protection Agency (EPA) has established air quality standards to protect public health and the environment. EPA has set National Ambient Air Quality Standards (NAAQS) for six primary air pollutants listing the following as "Criteria Pollutants":
 - Particulate Matter (PM_{10} & $PM_{2.5}$)
 - Nitrogen Oxides (NO_x)
 - Ozone (O_3)
 - Sulfur Dioxide (SO_2)
 - Lead (Pb)
 - Carbon Monoxide (CO)

Basic Permitting Process

- Source submits an application.
- Engineer reviews the application and prepares a draft permit.
- The permit is placed in public notice (if required).
- Permit is finalized with input from source and internal MCAQD.
- Permit issued upon payment of fees.



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Purpose of Rule 310

- To limit particulate matter (PM¹⁰) emissions into the ambient air from any property, operation or activity that may serve as a fugitive dust source by requiring measures to prevent, reduce, and mitigate dust emissions.
 - Fugitive Dust: The particulate matter not collected by a capture system that is entrained in the ambient air, resulting from human and/or natural activities.



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Normal Farm Cultural Practices

- The provisions of Rule 310 do not apply to farming activity according to Arizona Revised Statutes.
- All activities by the owner, lessee, agent, independent contractor, and/or supplier conducted on any facility for the production of crops, livestock and/or nursery plants are included in this exemption.



Agriculture

- Agricultural activities are exempt from Rule 310, but are still subject to regulation by the state.
 - ADEQ Contact: Emily Bonanni
 - Phone: 602-771-2324
 - Email: Bonanni.Emily@azdeq.gov
- County may enforce off-site violations under 310.
 - Trackout
 - Uncovered Haul Truck



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CLEAN AIR
**MAKE
MORE**

WALK MORE USE CFLS
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR
REDUCE WOODBURNING
MORE RIDE THE BUS

Jurisdictional Authority

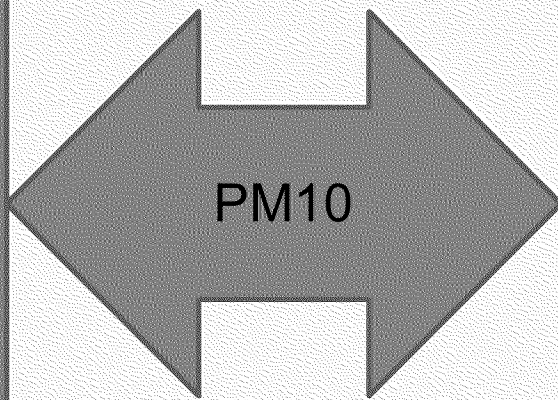
MORE CONSOLIDATE
REUSABLE TOTE BAGS
ELECTRICITY MORE
REFUEL AFTER DARK
MORE MAKE MORE

ADEQ

ARS§49-457 O.
PM 10

Agricultural process and
the associated release
contains particulates

ODOR



MCAQD

Rule 310
PM 10

Rule 320
“Odor” Control and H2S



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DRIVE HYBRIDS MORE CONSOLIDATE ERRANDS MORE RIDE PUBLIC TRANSPORTATION MORE USE ENERGY EFFICIENT APPLIANCES MORE CARRY REUSABLE
TOTE BAGS MORE CONSIDER SOLAR MORE RUN COLD WATER CYCLES MORE USE REUSABLE CONTAINERS MORE CONSERVE ELECTRICITY MORE REDUCE
WOODBURNING MORE RECYCLE MORE USE ELECTRIC LAWN AND GARDEN EQUIPMENT MORE REFUEL AFTER DARK MORE RIDE THE BUS MORE WALK MORE

CLEAN AIR
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Particulate Matter (PM)

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REUSABLE TOTE BAGS
USE ELECTRICITY MORE
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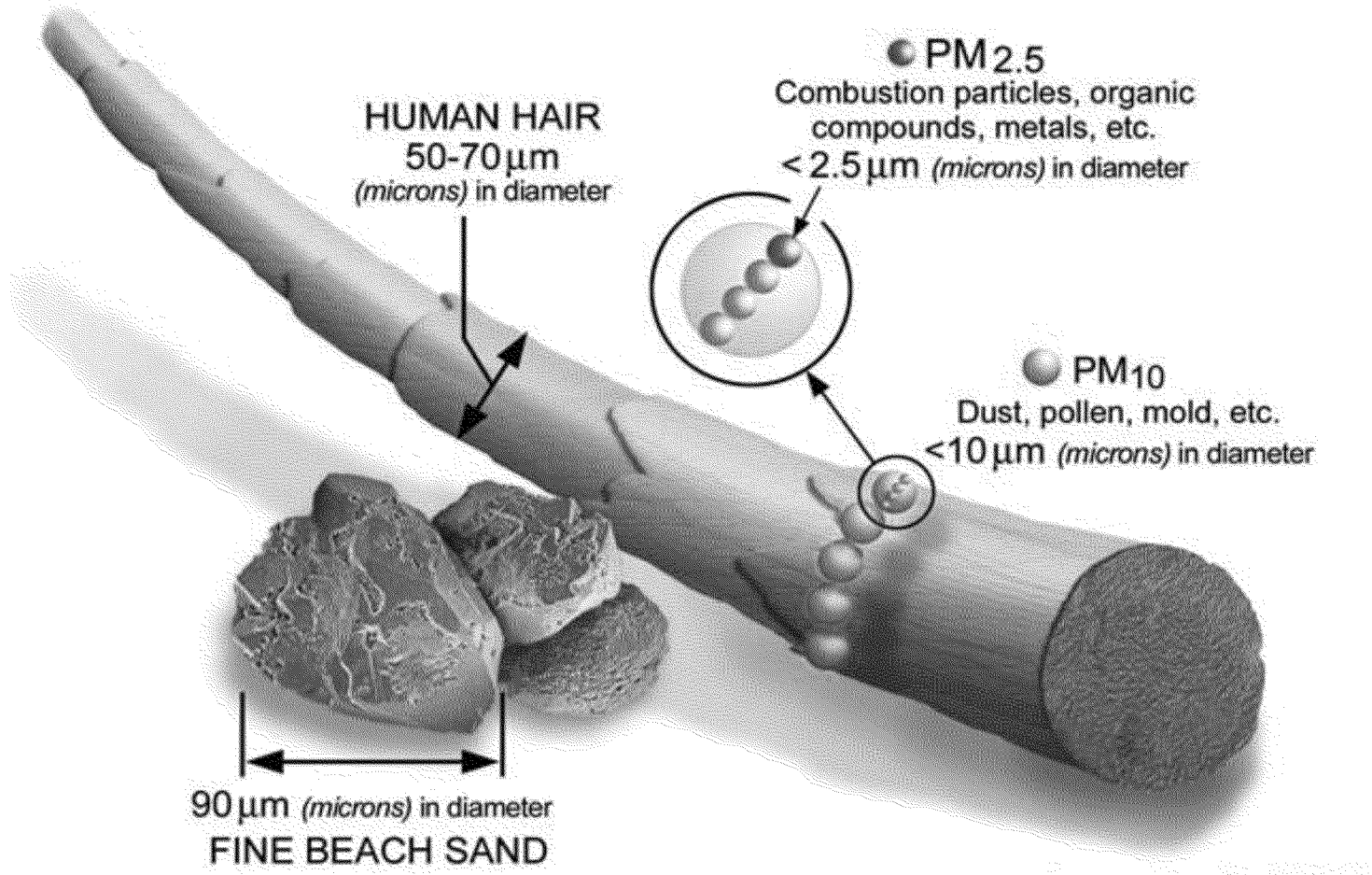


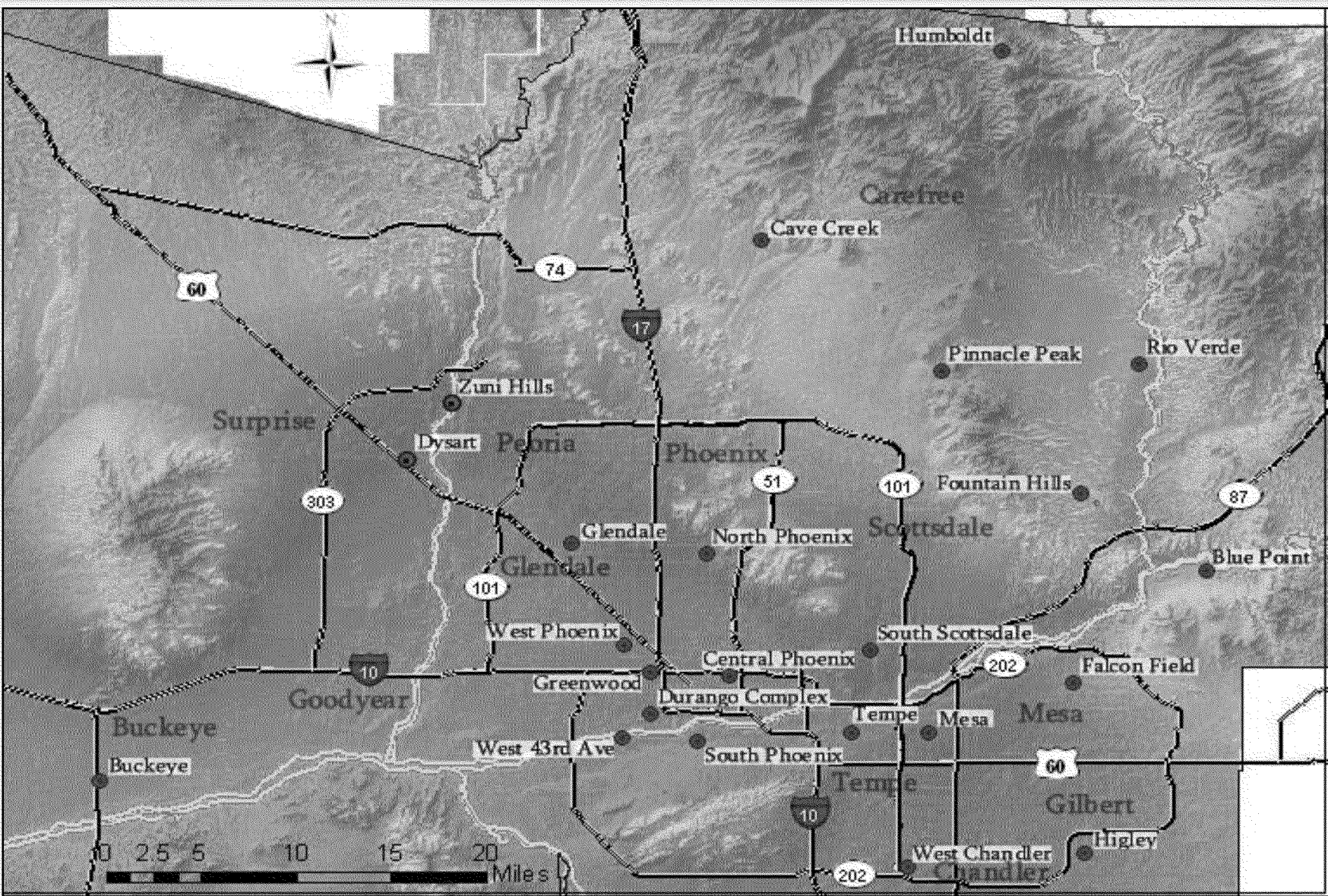
Image courtesy of the U.S. EPA

**CLEAN AIR
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County Air Monitors



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Weather Factors

MORE CONSOLIDATE
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Inversion

Wind



**CLEAN AIR
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Inversion Conditions

CONSOLIDATE
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MORE RAKE MORE



Getting Information

- Several ways to be better informed about air quality conditions:
 - Check the Air Quality Monitoring Network online
 - Sign-up for the Air Quality APP
 - Sign-up for E-mail alerts

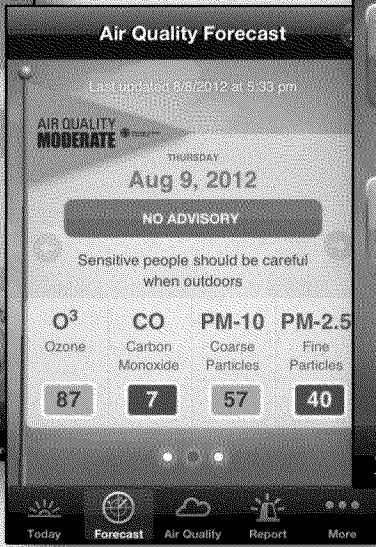


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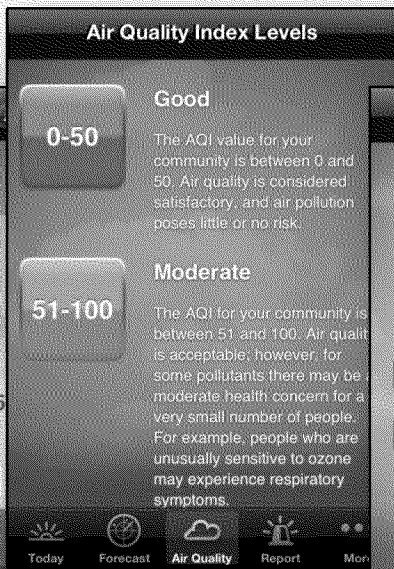
Clean Air Make More Mobile App



Current Restrictions



Forecast



AQI Index



Report a Violation



More Options



If you'd like to report an air quality problem:

– Call 602-372-2703

OR

– File a Report Online at: www.maricopa.gov/eq

□ “Report a Violation”



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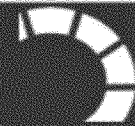
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Information

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maricopa.gov

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Air Quality Department

Protecting and improving our most basic resource.

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Divisions

Air Quality Status Rules & Regulations

Contact Us



There are no restrictions in place at this time. This includes wood burning restrictions. [Learn More](#)

> Home

- Asbestos/NESHAP
- Current Restrictions
- Dust Control
- Emissions Inventory
- Notice of Violation Status
- Permit Applications

● Report a Violation

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Receive current
information about
some of our hottest

Air Quality News



2011 Air Quality Brown Bag Event Announced 12/16/2010
Air Monitoring Network Assessment-
January 13, 2011.[More Details](#)



No Burn Day restriction information 12/7/2010
Learn how you can find out if today is a No
Burn Day.[More Details](#)



Notice of Public Hearing 12/2/2010
Soliciting public comment on proposed rule
changes for three air pollution control
regulations.[More Details](#)



**Maricopa County's New Air Quality
Flag Program Member** 11/16/2010
Valley companies committed to increase
awareness on air pollution
prevention.[More Details](#)

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☐ Clean City

AIR QUALITY
MODERATE

SENSITIVE PEOPLE
SHOULD BE
CAREFUL WHEN
OUTDOORS



woodburning



leaf blowers



off-highway
vehicles



CLEANAIRMAKEMORE.COM



Air Quality Events

January 2011						
S	M	T	W	T	F	S
26	27	28	29	30	31	1

Thank You

Questions?

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